

(No Model.)

2 Sheets—Sheet 1.

G. N. SMALL.
FENCE.

No. 506,559.

Patented Oct. 10, 1893.

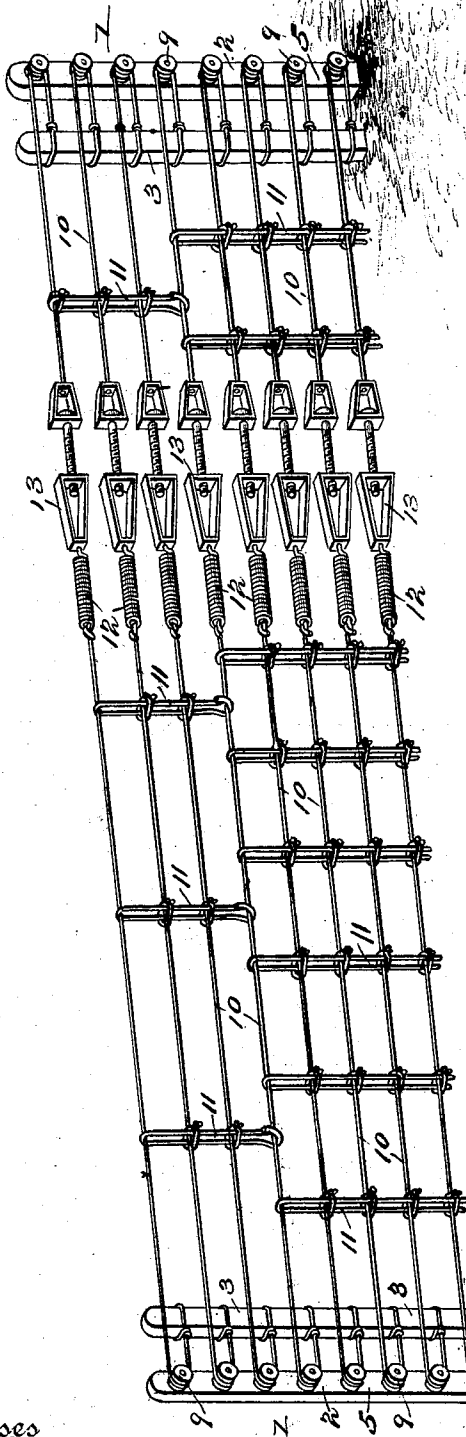


Fig. 1.

Witnesses
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W. H. Riley

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Geo. N. Small,
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Attorneys

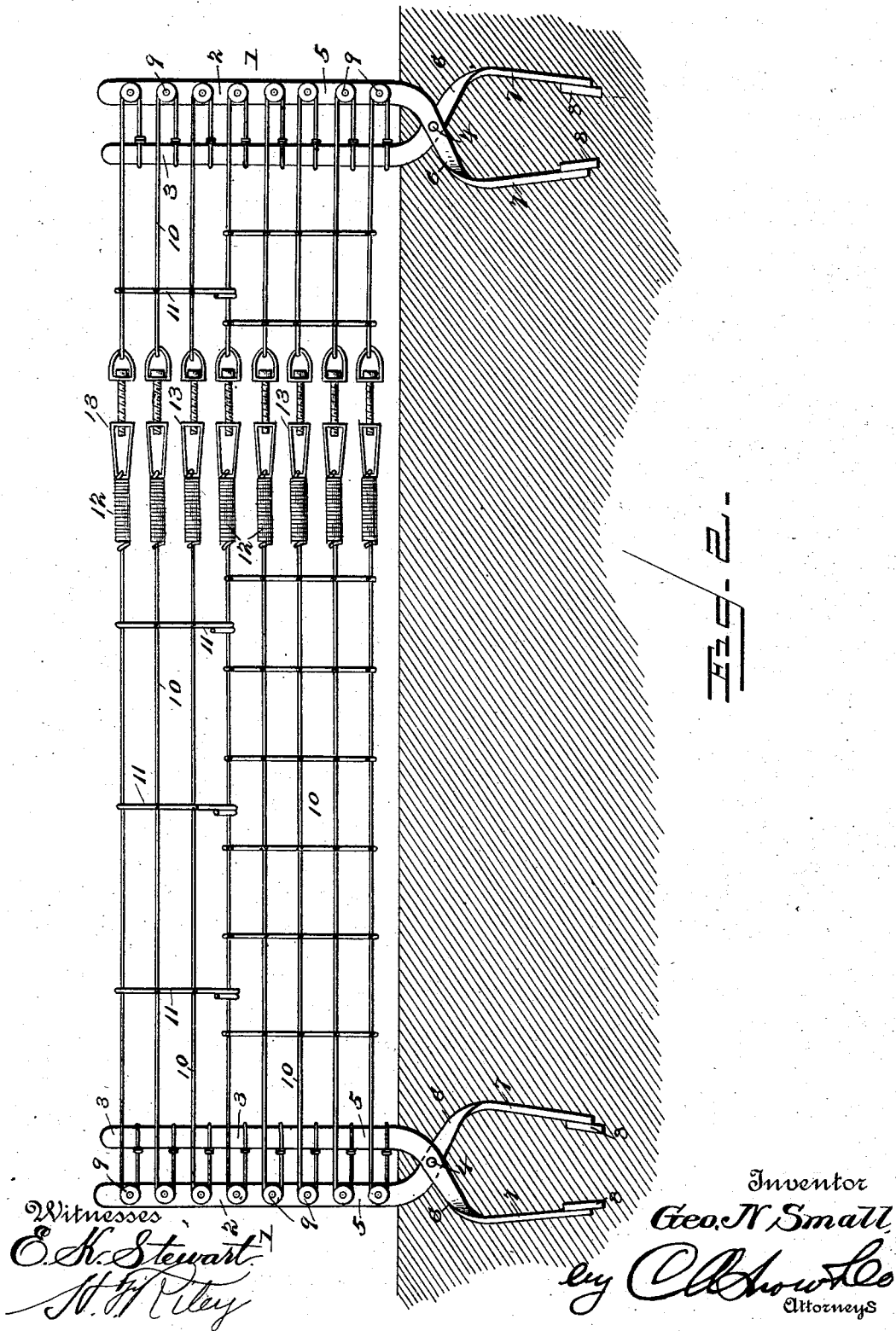
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2 Sheets—Sheet 2.

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UNITED STATES PATENT OFFICE.

GEORGE N. SMALL, OF LEBANON, INDIANA.

FENCE.

SPECIFICATION forming part of Letters Patent No. 506,559, dated October 10, 1893.

Application filed May 31, 1893. Serial No. 476,130. (No model.)

To all whom it may concern:

Be it known that I, GEORGE N. SMALL, a citizen of the United States, residing at Lebanon, in the county of Boone and State of Indiana, have invented a new and useful Fence, of which the following is a specification.

The invention relates to improvements in fences.

The object of the present invention is to improve the construction of wire fences, and to provide one in which the tension of the wire will hold the end posts firmly in the ground, instead of withdrawing them.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings and pointed out in the claims hereto appended.

In the drawings—Figure 1 is a perspective view of a fence constructed in accordance with this invention. Fig. 2 is a side elevation partly in section of the same.

Like numerals of reference indicate corresponding parts in both the figures of the drawings.

1, 1 designate end posts, each consisting of sections 2 and 3 pivoted at 4 and having their lower portions arranged in the ground. Each section of the end posts consists of a vertical portion 5, which forms the upper portion of the fence post, an inclined portion 6 extending downward from the lower end of the vertical portion 5 and a slightly inclined or approximately vertical portion 7 forming the extreme bottom of the fence post, and having secured to it an anchor piece 8. The inclined portions 6 of the sections of the end post cross each other at the top of the ground, and are pivoted together at 4. The vertical portions of the sections 2 of the end posts are provided with pulleys 9 arranged vertically and having passing around them the ends of fence wires 10, which are secured to the vertical portions of the sections 3, whereby the tension of the fence wires tends to draw the vertical portions of each end post together, thereby forcing the anchor pieces, which are inclined, and the lower portions of the sections more firmly in the ground.

The fence wires are connected by stays 11,

and are provided with compensating springs 12 and turn buckles 13, whereby the fence wires may be adjusted to the desired tension; and the compensating springs permit the necessary contraction and expansion to prevent the fence wires being broken by the cold of winter, and slackened by the heat of summer.

The fence stays each consist of a piece of stout wire doubled on the fence, and secured at the points of crossing by wire ties.

It will be apparent that the fence is simple and comparatively inexpensive in construction, and that the end posts can not be affected by the freezing of the ground.

Changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

What I claim is—

1. In a fence, the combination of end posts, each composed of two sections having inner and outer upper portions, and crossing each other below the upper portions and pivoted together, and having lower portions to be inserted in the ground, pulleys arranged on the outer upper portions, and fence wires passing over the pulleys and attached to the inner upper portions, substantially as described.

2. In a fence, the combination with the wires of a fence, of an end post composed of sections 2 and 3 having vertical upper portions, inclined intermediate portions 6 crossing each other and pivoted together, and depending portions 7 provided with anchors, substantially as described.

3. In a fence, the combination of end posts, each composed of sections 2 and 3 consisting of inner and outer vertical upper portions, inclined intermediate portions pivoted together and crossing each other and depending portions 7 provided with anchors, pulleys arranged on the upper portions of the sections 2, fence wires passing over the pulleys and having their ends attached to the upper portions of the sections 3, the intermediate compensating springs, and the turn buckles connected to the springs and to the wires, substantially as described.

4. In a fence, the combination of end posts
each having inner and outer vertical portions,
pulleys arranged on the outer vertical por-
tions of the end posts, and fence wires passed
5 around the pulleys and returned to the inner
vertical portions of the end posts and secured
thereto, substantially as described.

In testimony that I claim the foregoing as
my own I have hereto affixed my signature in
the presence of two witnesses.

GEORGE N. SMALL.

Witnesses:

J. L. CORY,

CLARENCE BRYAN.